Minutes – CuS project meeting, June 25th and 26th, 2013

Date: Tuesday and Wednesday, June 25th and 26th, 2013
Time: 09:00 – 18:00 and 9:00 – 16:00
Place: TenneT, Arnhem, the Netherlands
Participants: Emma Lindgren, Vattenfall, SE
Gerrit Fokkema (Convenor), EDSN, NL
Joachim (Joe) Schlegel, RWE, DE
Kees Sparreboom, TenneT, NL
Ove Nesvik (Secretary), EdiSys, NO
Appendixes: **Appendix A,** CuS Work plan
Appendix B, Member list
Enclosure:

1 Approval of agenda
The agenda was approved with the following additions:
- Nordic (Danish) questions see 20.1 under AOB

2 Minutes from previous meeting
The minutes from previous meeting were approved.

3 Status for cooperation with Eurelectric
Gerrit reported from a meeting with Eurelectric May 29th, where the aim was to give an overview of the ebIX® achievements (especially CuS) and discuss possible cooperation:
- The group is mainly occupied with high-level processes for the downstream market.
- A report is planned for the end of the year and ebIX® will receive it for information.
- At least for the time being, Eurelectric thinks ebIX® is too detailed for their work.

Conclusion:
- CuS will follow up when we receive the report from Eurelectric by the end of the year and see if there are leads for cooperation.

During this item also the contact with CEDEC was discussed and the MoU between CEDEC and ebIX® was reviewed, see http://www.ebix.org/Documents/MoU%20CEDEC%20ebIX.pdf.

Homework:
- Gerrit will contact the Dutch CEDEC member to see if we can do anything together.

4 Review of generic CuS elements for the Introduction to ebIX® models
The CuS elements was reviewed. Most elements were removed and the rest were updated:

Element	Definition
Customer	A party enjoying energy market services, such as metering, supply, transport.
Initiator	A market party initiating the business process in question.

Element	Definition
Linked Party	A market party performing a specific responsibility for the object involved, such as Metering Point or Meter

Kees added the table above to the ebIX® Introduction document.

During the review of generic CuS elements, also relevant usages of the elements in the BRS's were reviewed. The changes agreed will be updated by Ove s homework, see item 10.

5   ebIX® Principles for designing processes for change of Metering Point characteristics

The dependency matrix below (regarding the TCR/BRP for gas) include a response (homework) from Belgium, Denmark and Slovenia:

	Electricity		Gas	
	BRP	**TCR**	**BRP**	**TCR**
Belgium	✔		✔	
Denmark	✔		✔	✔
Germany	✔		✔	✔
Netherlands	✔		✔	
Norway	✔		**N/A**	
Slovenia	✔		✔	✔
Sweden	✔		✔	

The dependency matrix was added to the ebIX® Introduction document during the meeting.

6   Short discussion on the need for an upfront meter read in the ebIX model

Ove explained that, in Denmark and Norway, the Balance Supplier (BS) could send an upfront meter read (stand) on behalf of the Customer for profiled, manually read Metering Points. This is mainly used for collecting a switch read, but may also be used for collecting periodical meter read (e.g. monthly or yearly). It is a single notification from the BS to the Metered Data Responsible (MDR).

Conclusion:
   The upfront meter read process is already covered in the EMD process Determine Meter Read and a separate process or document for "*Upfront* meter read" is not needed.

7   Discussion: Do we need a Date or a Snapshot-Date in the request MP Characteristic?

Kees had as homework from previous meeting updated and distributed the "Introduction to ebIX® models". The document will be published when agreed in ETC.

The conclusion from previous meeting; "*The Snapshot Date will not be added to the CuS model. A sentence was added to the "Introduction to ebIX® models" stating that ebIX® doesn't deal with Master Data from the past or in future*", was questioned by Emma. Emma explained that both the Snapshot-Date and a Validity Date are used in Sweden. In addition, the process of exchanging master data is being reviewed and it will be sent master data with a *Snapshot-Date = todays date* and a Validity Date in the future or past, for alignment of master data.

It was decided to keep the Snapshot-Date out and refer the discussion related to data alignment in item G) in CuS Work plan, see Appendix A. The text "and/or future" was added to item G).

Homework:
- Kees will distribute the updated "Introduction to ebIX® models" for review, preferably in ".doc" format.

8   Different resolutions for different purposes in a MP

Since there were no Belgians at the meeting, the participants could not make clear what the problem is. The item was postponed until next meeting.

9   MP Reading Characteristics/Metered Data Collection Method:

From ETC discussion:
- Metered Data Collection Method is an old name of the element MP Reading Characteristics.
- The code list is used in Belgium, Denmark and Norway with the following codes:
    1. Manual read (BE, DK and NO)
    2. Automatic read (DK and NO)
    3. Not read (NO)
    4. Remote, one way (BE)
    5. Remote, two way (BE)

MP_ReadingCharacteristics
D01{codeName = "Automatic meter reading"}
D02{codeName = "Manual meter reading"}

MeteredDataCollectionMethod
Z50{codeName = "Remote read"}
Z51{codeName = "Manually read"}
Z52{codeName = "Not read"}

Figure 1 MP Reading Characteristics (DK) and Metered Data Collection Method (NO)

Related ebIX® enumerations:

MeteringMethodCode
E13{codeName = "Continuous"}
E14{codeName = "Non continuous"}
E16{codeName = "Not metered"}
E21{codeName = "Non continuous, monthly"}
E24{codeName = "Calculated "}

SettlementMethodCode
E01{codeName = "Profiled"}
E02{codeName = "Non profiled"}
E15{codeName = "Non-profiled netted"}

Figure 2 Metering Method Code and Settlement Method Code

MP Reading Characteristics Code describes the method used for transmission of metered data from the Meter to the Metered Data Collector, such as automatic read, manually read or unread. The MP Reading Characteristics Code does not fit into the already existing ebIX® codes Metering Method Code or Settlement Method Code. It is for instance possible to have non-continuous metered MP that is automatic read, manually read or unread.

ETC asked CuS to see if a common solution can be found?

A short discussion concluded that CuS should look into the master data for Meter before the question above is discussed further.

Item C) in the CuS Work plan, see Appendix A, was updated with the following text; "*Distinction of data elements used in different processes, such as in Meter and Metering Point master data*".

10   Status for Business Requirement Views (BRV) for publication

As homework from previous meeting everybody should investigate if they will use one or more of the following code lists, and if any of the codes can be deprecated:

Code list / Code		Definition	Status
Grid Agreement Type Description Code		A code specifying how the Grid agreement is set up	
E01	Contract directly between Grid operator and Customer	Net using contract directly between Grid operator and Customer.	Used in Germany
E02	Contract between Supplier and Grid operator	Net using contract between Supplier and Grid operator.	Used in Germany
E03^{*)}	Contract between Grid operator and Customer through Supplier	Net using contract between Grid operator and Customer through Supplier.	Not used by anyone at the meeting.
E04^{*)}	No net using contract	No net using contract.	Not used by anyone at the meeting
Payment Agreement Type Description Code		A code specifying who is invoiced by the Grid Access Provider for grid cost or grid services for the Metering Point	
E09	Paid by customer	Payment agreement contract, paid by customer.	Used in Germany
E10	Paid by supplier	Payment agreement contract, paid by supplier.	Used in Germany
Supply Agreement Type Description Code			
E05^{*)}	Full supply	Supply contract for full supply.	Not used by anyone at the meeting
E06^{*)}	Partial supply (Open contract)	Supply contract for partial supply (Open contract).	Not used by anyone at the meeting
E07^{*)}	Partial supply (Schedule)	Supply contract for partial supply (Schedule).	Not used by anyone at the meeting
E08^{*)}	Co-operation	Supply contract for co-operation.	Not used by anyone at the meeting

Conclusion:
>   ETC will be asked to depreciate codes in read text and marked with ^{*)}

The main task for the meeting was a review of the new definitions in the BRV's. Ove had updated all the BRS's according to the changes done for the Change of Balance Responsible Party and Request Metering Point Characteristics, and had noted the following comments/questions after the updates from previous meeting:

- The definition and content of *Grid Connection Contract* in *Notify Metering Point Characteristics* and *Request Metering Point characteristics* must be reviewed

   Conclusion:
   >   The *Grid Connection Contract* was renamed to *Grid Agreement Type*

- Is it correct having both a *Snapshot date* and a *Validity start date* in the *Request Metering Point characteristics*?

   Conclusion:
   >   No, the Snapshot Date was removed

- Review of the *Addition* and *Async Additions* in the three documents in *Request Metering Point Characteristics*, i.e. *Request-*, *Response-* and *Reject Request Metering Point Characteristics*

Conclusion:
> Reviewed and updated

- In general review of the *Addition* and *Async Additions* in the three documents in *Upfront Request Metering Point Characteristics*,

Conclusion:
> Reviewed and updated

In addition, Thibaut and Chris (ATRIAS) had the following comments:

- We did not check all the documents but we have some remarks about one of the document we red : ebIX Business Requirements for Notify MP Characteristics - Draft for v3r2A 20130604.docx. It does not completely fulfil to UMM2/ebIX requirements:
    - Section 1.1
        - According to the Business partner view (at section 1.2), we should only have 2 roles in this Process usecase: Metering Point Administrator and Linked Role (and not all the roles linked to the "linked role")

        Answer:
        > We will remove the linked role from the Entity view in 1.2.

    - Section 1.1.2:
        - The initial and final node have to be in the same swimlane

        Answer (originally from Kees):
        > I have found in old ETC minutes (when looking for something else), what we decided on final nodes. What was stated there is: final node for one-way transactions is in the receiving swimlane and for two-way in the sending/initiating swimlane. I have already corrected (back) this in some of the EMD BRS's

        - According to the Business partner view (at section 1.2), we should only have 2 roles in this Process diagram: Metering Point Administrator and Linked Role (and not all the roles linked to the "linked role")

        Answer:
        > We will remove the linked role from the Entity view in 1.2.

    - Section 1.3.2:
        - Some stereotypes are missing (or, at least, not visible)

        Answer:
        > We will add stereotypes to the enumerations. The Classes seem right, since not all classes are Business Entities.

Agreed changes to the BRV documents, to be updated by Ove as homework:
- We will add stereotypes to the enumerations
- Remove actors from the top level UseCase from all BRVs
- Rename Grid User to Grid Customer
- Rename Initiating Role and Requesting Role to Initiator
- Rename Requesting Role to Initiator in all relevant BRSs (incl. Request MP characteristics).

- Rename Linked Role to Linked Party
- Add a reference to "ebIX® Code lists (www.ebix.org)" in all BRV's.
- Add page shift for level one and two.
- Add separate chapters for UseCases described in external BRV's (Comments to the diagram), as done in Move In / Determine Meter Read.
- All document names should be in Upper Camel Case, e.g. Notify Metering Point Characteristics.
- endsWhen and beginsWhen in UseCase Descriptions should start with "When…."
- The links to UN/CEFACT documents have to be updated. Example to be found in the updated Introduction.
- Check that all post condition text *in the top level UseCases* is in line with:

> The change of *Metered Data Responsible* is linked to the Metering Point and all relevant parties have aligned master data or (in case of rejection) nothing is changed in the Metering Point register.
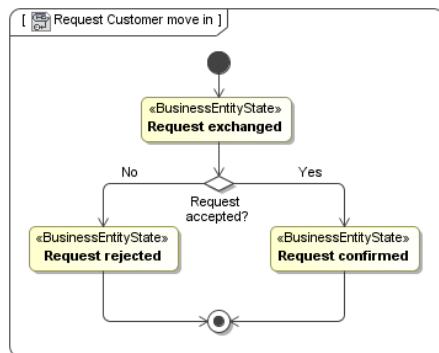
- For lower level UseCase descriptions, check that the "to-role" is stated, e.g.

> The change of *Metered Data Responsible* has been confirmed or rejected by the *Metering Point Administrator* to the requesting *Metered Data Responsible*.

- Make the responding document states explicit (reference the document confirmed or rejected), e.g.:
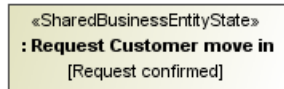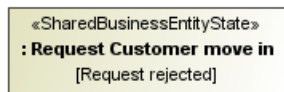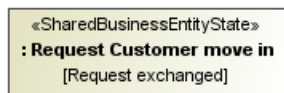
- Update all state machines according to:

- In the "Business processes" (Activity diagrams), the end ("Success") should be in the recipients swimlane.
- Verify that Customer, Grid Customer and Supply Customer are used consistent.
- In the references the link should be wit brackets, i.e. (www.ebix.org).
- Add «**Business entity**» where missing.
- Add new packages for generic entities, such as MP, Meter, MGA. Example of definitions:

«Business entity» Metering Point	The Metering Point the Change of Supplier is requested for.
ID	The unique identification of this Metering Point

- Move entities (MP, Meter, MGA…) to separate classes, including in the definitions, e.g.:
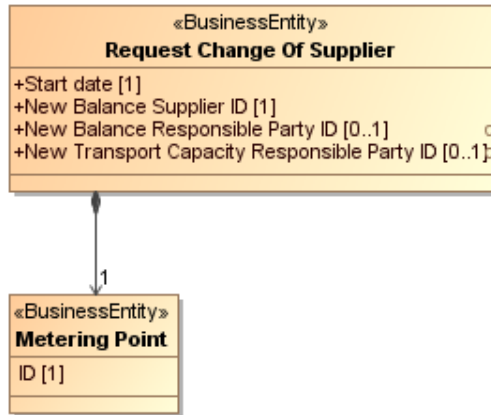
Homework:
- Ove will update the BRS's.
- CuS will have 4 weeks of review before sent for new 4 weeks review by the ebIX® Forum.

11   Review of CuS XML schemas
Postponed until need for new schemas.

12   Review of CuS Work plan
- See Appendix A
- Denmark has informed CuS that they need clarifications and/or process descriptions for:
  - Master data:
    - Split into different documents for different purposes
    - Content, including Meter information
    - Delete/change of content of attributes in a database
  - Meter stands for profiled Metering Points from Balance Supplier
  - Where to put the DataHUB in the Harmonised Role Model
  - Move to Default Supplier

Appendix A was reviewed and updated.

Homework:
- All will verify, with the national gas industry, if the Notify Metering point Characteristics document will work in the gas industry, see work plan item *B) Update Request and Notify metering point characteristics to include gas*.
- Emma will review the ebIX® Cancellation document and propose a priority at the next CuS meeting.
- Ove will distribute the document "Update of meter master data" from EMD together with the next agenda.

13 Possible takeover of EMD work

Not relevant on short time.

14 Update Request and Notify metering point characteristics to include gas

Due to lack of time the item was postponed

15 Change to/from Supplier of last resort

Due to lack of time the item was postponed

16 Cancellation processes for all processes that can be cancelled

Due to lack of time the item was postponed

17 Updates of the ebIX® web-site

Due to lack of time the item was postponed

18 How to increase CuS participation

Discussion:
- Kees mentioned that we currently are polishing the already published processes. I.e. we should find some new challenging processes to attract more people.
- There are only 7 ebIX® member countries:
    o Belgium is normally participating, however excused at this meeting
    o Denmark is busy with version 2 of the Danish DataHub
    o Germany is normally participating with two participants
    o Netherland is normally participating with two participants
    o Norway has found a new member, however excused at this meeting
    o Slovenia is normally participating, however excused at this meeting
    o Sweden is normally participating with one participant

  In addition Ireland used to participate, however not the last year.
- Joachim thinks that we need to cooperate with other organisations with more influence in the European market, such as ENTSO-E, IEC, Eurelectric, CEDEC….

Conclusion:
- The low participation can partly be explained by normal variations.
- At the next meeting, new topics will be put high on the agenda, see 12 above.

19 Meeting schedule
- ~~October Monday 14th and Tuesday 15th in Oslo~~ (The meeting is cancelled, since it collides with the UN/CEFACT Forum).
- December Tuesday 3rd and Wednesday 4th in Oslo

20 AOB

20.1 Nordic (Danish) questions

Denmark had some questions regarding new processes and documents that they will need to specify within the middle of July. Some of the questions was answered during other discussed items. The rest will need preparations within CuS and cannot be answered within the Danish time limit (July this year).

- How to notify GAP of Change of Supplier?

    Answer:

    > If the notify GAP of Change of Supplier only is used for asking the grid to come up with a switch meter read, the document; "Notification for determine Meter Read" (sent from the MDA to the MDR) should be used.

- What is the difference between Grid User Name and Customer Name? Is the Grid User the one living in the Metering Point or the one having the Grid contract?

    Answer:

    > The definitions was changed:

Supply Customer name	The name of the Customer that has a supply contract at this Metering Point.
Supply Customer ID	The unique identification of the Customer that has a supply contract at this Metering Point.
Grid Customer Name	The name of the Customer that has the agreement with the Grid Access Provider for transport of energy to this Metering Point.
Grid Customer ID	The unique identification of the Customer that has the agreement with the Grid Access Provider for transport of energy to this Metering Point.

    > For the national need for two Customer Names, add a national "Supply Customer Two Name" (or similar).

- How to cancel processes, e.g. cancellation of change of supplier?

    Answer:
    - The cancellation process is on the ETC pending list and must await a decision there. Amongst others, the following solutions may be the result:
        - Same Document Type (e.g. 392) and Reason for transaction and addition of a Function=cancellation?
        - Same Document type (e.g. 392) but another Reason for transaction?

- "Update MGA Billing Characteristics from Grid Company, via DataHUB, to Balance Supplier: One or two documents? The DataHUB routs and stores the billing information.

    Answer:
    - At the ETC meeting in April it was suggested that the exchange of tariffs might be seen as Master Data for Products and Services.
    - The following processes was suggested:
        - Notify Update of Charge MD from DSO to DataHub
        - Notify Charge MD from DataHub to BS
        - Request- and Response Charge MD from DataHub to BS

- Can "Function" be used for Add/change/delete…?

    Answer:
    - Function is used in EDIFACT documents and in EMD Time Series class. No better solution was found.

Appendix A   CᴜS Wᴏʀᴋ ᴘʟᴀɴ

#	Activity	Due date
A)	Add definitions of data elements in 10 Business Requirements View documents 1. Change of supplier, including all sub-processes 2. End of supply 3. Change of balance responsible party 4. Change of transport responsible party 5. Change of metered data responsible, including 6. End of metered data responsible 7. Customer move, both move in and move out 8. Request metering point characteristics 9. Notify metering point characteristics 10. Query metering point data for identification	*CuS meeting October 2013*
B)	Update Request and Notify metering point characteristics to include gas.	*CuS meeting October 2013*
C)	Distribute and request change master data Meter Including: • Responsibility and definition for/of Metering Method, Settlement Method and MP Reading Characteristics • Distinction of data elements used in different processes, such as in Meter and Metering Point master data	*CuS meeting October 2013*
D)	Request change of attributes connected to a MP	*To be decided*
E)	Guidelines (high level requirements, i.e. consequences for data exchange) for Change to/from Supplier of last resort • Exist in Norway, Germany, Belgium and Switzerland • Does not exist in Austria, Sweden, Netherlands and Denmark. • A Balance supplier appointed by the authorities (e.g. the regulator) to supply energy under certain conditions to consumers rejected by other Balance suppliers. • And its relation to Change to/from Default supplier, i.e.: ○ Does not exist in Austria, Norway, Netherlands and Belgium. ○ Exist in Sweden, Germany and Denmark. ○ A Balance supplier that supplies MPs within a Metering Grid Area (chosen by the MPA) when the customer has not chosen another BS	*CuS meeting December 2013*
F)	Cancellation processes for all processes that can be cancelled	*A priority will be agreed at the meeting October 2013*
G)	Efficient data alignment, including the possibility to request historical and/or future master data.	*To be decided*
H)	Class diagram for Installation information (inclusive "premise id" and "location id") and Exchange of master data for "Measuring field". This may require a recast of UTILMD.	*To be decided*
I)	How to handle the different attributes related to the Consumer, such as consumer contact information (e.g. address and invoice address).	*To be decided*
J)	Ordering of chargeable services	*To be decided*
K)	Update the UseCases in BRV for Change of Supplier after review together with Eurelectric (if possible).	*Postponed*

Appendix B MEMBER LIST

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CC: It is expected that cc receivers are reading the CuS minutes and actively responds to these when they have comments to them. It is further expected that the CuS information is actively used in the national data exchange standardisation work.

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